

FISHER SCIENTIFIC, CHEMICAL DIV. -- BENTONITE -- 6850-00-263-8640

===== Product Identification =====

Product ID:BENTONITE

MSDS Date:11/06/1991

FSC:6850

NIIN:00-263-8640

MSDS Number: BMWRL

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:201-796-7100 OR 201-796

-7523

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:BENTONITE (AS NUISANCE DUST OR PARTICULATES NOT OTHERWISE REGULATED)

CAS:1302-78-9

RTECS #:CT9450000

Fraction by Wt: 100%

OSHA PEL:15 MG/M3 TOTAL DUST

ACGIH TLV:10 MG/M3 TDUST;8990

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Hazards Identification =====

LD50 LC50 Mixture:LD50 (INTRAVENOUS, AT) 35 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-INHALE:HIGH CONCENTRATIONS OF DUST MAY CAUSE IRRITATION.SKIN:NO ADVERSE EFFECTS.EYE:PARTICLES IN THE EYE MAY CAUSE IRRITATION.ORAL:INGESTION OF LARGE AMOUNTS MAY CAUSE INTESTINAL OBSTRUCTION.CHR ONIC-MAY CAUSE PNEUMOCONIOSIS,CHEST PAIN,COUGH,DYSPNEA,CYANOSIS,FATIGUE & BRONCHITIS.

Effects of Overexposure:HIGH CONCENTRATIONS OF DUST MAY CAUSE IRRITATION BY INHALATION. PARTICLES IN THE EYE MAY CAUSE IRRITATION. INGESTION OF LARGE AMOUNTS MAY CAUSE INTESTINAL OBSTRUCTION.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING RESPIRATORY DISORDERS BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

===== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.SKIN:WASH WITH SOAP & WATER.EYE:FLUSH WITH WATER FOR 15 MINUTES,HOLDING EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:DO NOT IN DUCE VOMITING.IF VOMITING OCCURS,KEEP HEAD BELOW HIPS DUE TO ASPIRATION HAZARD.TREAT SYMPTOMATICALLY AND SUPPORTIVELY.CALL PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point:NONE  
Extinguishing Media:WATER SPRAY, CO2, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS AWAY.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. AVOID BREATHING VAPOR OR DUST.  
Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD

===== Accidental Release Measures =====

Spill Release Procedures:USE NIOSH APPROVED DUST MASK/RESPIRATOR & PROTECTIVE GLOVES. SWEEP UP OR VACUUM AND TRAN

SFER INTO A CONTAINER  
FOR LATER DISPOSAL OR RECOVERY.

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Handling and Storage  
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Handling and Storage Precautions:STORAGE-STORE IN COOL,DRY,VENTILATED  
AREA AWAY FROM MOISTURE. KEEP CONTAINERS TIGHTLY CLOSED.  
Other Precautions:AVOID CREATING DUST. PROVIDE ADEQUATE VENTILATION. DO  
NOT INHALE DUST. USE APPROVED DUST MASK/RESPIRATOR WHEN HANDLING  
MATERIAL ON LARGE SCALE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSH APPROVED DUST MASK/RESPIRATOR OR  
SELF-CONTAINED BREATHING APPARATUS.  
Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS  
(10 ROOM VOLUMES PER HOUR).  
Protective Gloves:AS REQUIRED  
Eye Protection:DUST-RESISTANT SAFETY GOGGLES  
Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND  
IMPERVIOUS CLOTHING  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLO  
THING OR  
FOOTWEAR.  
Supplemental Safety and Health

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Physical/Chemical Properties  
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HCC:N1  
Solubility in Water:INSOLUBLE  
Appearance and Odor:VERY FINE, ODORLESS, HYGROSCOPIC, PALE BUFF OR  
CREAM-COLORED TO GRAYISH POWDER

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES  
LITHIUM: MOLTEN LITHIUM ATTACKS SILICATES.  
Stability Condition to Avoid:MOISTURE. SWELLS TO APPROXIMATELY TWELVE  
TIMES

ITS VOLUME WHEN ADDED TO WATER.

Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY RELEASE  
ACRID SMOKE AND IRRITATING FUMES.

===== Disposal Considerations =====

Waste Disposal Methods:KEEP IN COVERED DRUMS, PENDING DISPOSAL. HANDLE  
& DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE &  
LOCAL REGULATIONS.

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